

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP 03/12815

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C57/07 C07C57/075 C07C45/86 C07C45/82 C07C67/48  
C07C69/533 C07C47/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 260 821 A (BENJAMIN BRUCE W) 7 April 1981 (1981-04-07) the whole document ---	1
A	EP 1 046 416 A (NIPPON CATALYTIC CHEM IND) 25 October 2000 (2000-10-25) abstract page 6, line 37-39 -----	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

31/03/2004

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Information on patent family members

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PCT/EP 03/12815

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4260821	A	07-04-1981	JP	55127340 A	02-10-1980
			JP	58002219 B	14-01-1983
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			BR	0001748 A	23-01-2001
			CN	1273136 A	15-11-2000
			EP	1046416 A2	25-10-2000
			US	6627047 B1	30-09-2003
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